

2012

PROFESSIONAL SECURITY CAMERA REFERENCE GUIDE



*LoLux*TM

*LoLux HD*TM

*SuperLoLux*TM

*SuperLoLux HD*TM

JVC

NETWORK CAMERAS

Model	VN-T16U	VN-H37U	VN-H57U	VN-H137U	VN-H157WPU	VN-T216U	VN-T216VPRU	VN-H237U	VN-H237VPU	VN-H257U	VN-H257VPU	VN-V685U	VN-V686BU	VN-V686WPBU
	2.2MP Fixed box (less lens)	2.2MP Fixed box (less lens)	2.2MP fixed box (less lens)	2.2MP fixed box w/housing	2.2MP fixed outdoor bullet	2.2MP fixed dome	2.2MP fixed outdoor dome w/IR	2.2MP fixed dome	2.2MP fixed outdoor dome	2.2MP fixed dome	2.2MP fixed outdoor dome	27x PTZ dome	36x PTZ dome	36x PTZ outdoor dome
Camera Type	2.2MP Fixed box (less lens)	2.2MP Fixed box (less lens)	2.2MP fixed box (less lens)	2.2MP fixed box w/housing	2.2MP fixed outdoor bullet	2.2MP fixed dome	2.2MP fixed outdoor dome w/IR	2.2MP fixed dome	2.2MP fixed outdoor dome	2.2MP fixed dome	2.2MP fixed outdoor dome	27x PTZ dome	36x PTZ dome	36x PTZ outdoor dome
Camera Series	LoLux HD	Super LoLux HD	Super LoLux HD	Super LoLux HD	Super LoLux HD	LoLux HD	LoLux HD	Super LoLux HD	Super LoLux HD	Super LoLux HD	Super LoLux HD	Direct Drive PTZ	Direct Drive PTZ	Direct Drive PTZ
Image Device	1/2.7" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/4" CCD	1/4" CCD	1/4" CCD
Lens	-	-	-	2.8 mm to 10.5 mm	3 mm to 9 mm	3 mm to 9 mm	3 mm to 9 mm	2.8 mm to 10.5 mm	2.8 mm to 10.5 mm	3 mm to 9 mm	3 mm to 9 mm	3.4 mm to 92.6 mm (27x)	3.4 mm to 122 mm (36x)	3.4 mm to 122 mm (36x)
Max. Resolution / Frame Rate	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	Full HD [1080p] / 30fps	640 x 480 / 30fps	640 x 480 / 30fps	640 x 480 / 30fps
Min. Illumination, Color	0.3 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.3 lux, F1.2	0.3 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.15 lux, F1.2	0.5 lux, F1.6	0.5 lux, F1.6	0.5 lux, F1.6
Min. Illumination, B/W	0.3 lux, F1.2	0.025 lux, F1.2	0.025 lux, F1.2	0.12 lux, F1.2	0.025 lux, F1.2	0.3 lux, F1.2	0.3 lux F1.2, 0 lux (IR LED ON)	0.12 lux, F1.2	0.025 lux, F1.2	0.025 lux, F1.2	0.025 lux, F1.2	0.4 lux, F1.6	0.4 lux, F1.6	0.4 lux, F1.6
Day / Night	Easy	True	True	Easy	True	Easy	True	Easy	True	True	True	True	True	True
White Balance	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC	ATW / AWC
Wide Dynamic Range (WDR)	-	Yes / C.L.V.I.	Yes / C.L.V.I.	Yes / C.L.V.I.	Yes / C.L.V.I.	-	-	Yes / C.L.V.I.	Yes / C.L.V.I.	Yes / C.L.V.I.	Yes / C.L.V.I.	Yes	Yes	Yes
Backlight Compensation (BLC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digital Noise Reduction (DNR)	2DNR	3DNR	3DNR	3DNR	3DNR	2DNR	2DNR	3DNR	3DNR	3DNR	3DNR	3DNR	3DNR	3DNR
Video Compression (Codec)	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	H.264 [High/Baseline], MJPEG, MPEG-4	MJPEG, MPEG-4	MJPEG, MPEG-4	MJPEG, MPEG-4	MJPEG, MPEG-4	
Multi Resolution Dual Encoding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Focus Adjustment	Manual	Manual	Remote / Auto Back Focus	Manual	Remote / Auto Focus / Fine Focus	Manual	Manual	Manual / Fine Focus	Manual / Fine Focus	Remote / Auto Focus / Fine Focus	Remote / Auto Focus / Fine Focus	Easy Auto Focus	Easy Auto Focus	Easy Auto Focus
SD Card Recording (SDHC class 10)	Alarm Recording on SD card	Full-time SD recording	Full-time SD recording	Full-time SD recording	Full-time SD recording	Alarm Recording on SD card	Alarm Recording on SD card	Full-time SD recording	Full-time SD recording	Full-time SD recording	Full-time SD recording	-	-	-
Alarm I/O	1 / 1	-	2/2	-	2 / 2	1 / 1	1 / 1	-	-	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Simultaneous Analog Video Output	-	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bi-Directional Audio	Yes	-	Yes	-	Yes	Yes	Yes	-	-	Yes	Yes	-	-	-
Weather Proof (IP66)	-	-	-	-	Yes	-	-	Yes	-	Yes	-	-	-	Yes
Vandal Resistant / Proof	-	-	-	-	-	-	-	Vandal Proof	Vandal Resistant	Vandal Proof	Vandal Resistant	Vandal Resistant	Vandal Resistant	Vandal Resistant
Intelligent Video	Motion detection	Privacy Mask, Motion detection, Tamper alarm	Privacy Mask, Motion & Audio detection, Tamper alarm	Privacy Mask, Motion detection, Tamper alarm	Privacy Mask, Motion & Audio detection, Tamper alarm	Motion detection, Tamper alarm	Motion detection, Tamper alarm	Privacy Mask, Motion detection, Tamper alarm	Privacy Mask, Motion & Audio detection, Tamper alarm	Privacy Mask, Motion detection, Tamper alarm	Privacy Mask, Motion & Audio detection, Tamper alarm	Privacy Mask, Motion Detection	Privacy Mask, Motion Detection	
Access Protection	Password protection	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	Password protection	Password protection	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering	3 levels p/w, IP address filtering
Protocol	ONVIF	ONVIF / PSIA	ONVIF / PSIA	ONVIF / PSIA	ONVIF / PSIA	ONVIF	ONVIF	ONVIF / PSIA	ONVIF / PSIA	ONVIF / PSIA	ONVIF / PSIA	-	-	-
Power	PoE, 24VAC, 12VDC	PoE	PoE, 24VAC	PoE	PoE, 24VAC	PoE, 24VAC, 12VDC	PoE, 24VAC	PoE	PoE	PoE	PoE	PoE, 24VAC	PoE, 24VAC	PoE, 24VAC
Power Consumption (PoE)	6.2 W	5.7 W	6.4 W	5.7 W	6.4 W	6.24 W	6.24 W	5.7 W	5.7 W	6.4 W	6.4 W	12.9 W	12.9 W	12.9 W
IR LED / Distance	-	-	-	-	-	-	21 LEDs / 50 ft	-	-	-	-	-	-	-
Warranty	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year	3 year
MSRP	\$399.00	\$599.00	\$850.00	\$650.00	\$1,299.00	\$550.00	\$599.00	\$799.00	\$799.00	\$999.00	\$899.00	\$1,299.00	\$2,499.00	\$3,299.00

ANALOG CAMERAS

	FIXED BOX CAMERAS				FIXED DOME CAMERAS			
	TK-C9200UA	TK-C9300UA	TK-C8301RU	TK-T8101WPRU	TK-T2101RU	TK-C2201UA	TK-C2201WPUA	TK-C2301WPRU
Camera Type	Fixed box (less lens)	Fixed box (less lens)	Fixed box w/IR + housing	Fixed outdoor bullet w/IR	Fixed dome w/IR	Fixed dome	Fixed outdoor dome	Fixed outdoor dome w/IR
Camera Series	Super LoLux	Super LoLux	Super LoLux	LoLux	LoLux	Super LoLux	Super LoLux	Super LoLux
Image Device	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
Lens	-	-	2.8mm to 10.5mm	3.3mm - 12mm	2.8mm - 10.5mm	2.8mm to 10.5mm	2.8mm to 10.5mm	2.8mm to 10.5mm
Horizontal Resolution	600 TVL	600 TVL	600 TVL	600 TVL	600 TVL	600 TVL	600 TVL	600 TVL
Min Illumination, Color	0.025 lux, F1.2	0.025 lux, F1.2	0.025 lux	0.025 lux F.12	0.025 lux F.12	0.025 lux	0.025 lux	0.025 lux
Min Illumination, B/W	0.015 lux, F1.2	0.003 lux, F1.2	0.003 lux, 0 lux (IR LED ON)	0.0075 lux, 0 lux (IR LED ON)	0.0075 lux, 0 lux (IR LED ON)	0.015 lux	0.015 lux	0.003 lux, 0 lux (IR LED ON)
Day / Night	Easy	True	True	True	True	Easy	Easy	True
White Balance	ATW/AWC/Manual	ATW/AWC/Manual	ATW/AWC/Manual	ATW/Manual	ATW/Manual	ATW/AWC/Manual	ATW/AWC/Manual	ATW/AWC/Manual
Auto Electronic Shutter (AES)	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s	1/60s to 1/100,000s
Slow Shutter Speed (Sens-Up)	x2 to x128	x2 to x128	x2 to x128	-	-	x2 to x128	x2 to x128	x2 to x128
Auto Gain Control (AGC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wide Dynamic Range (WDR)	-	Yes (dual shutter)	Yes (dual shutter)	Yes	Yes	Yes	Yes	Yes (dual shutter)
Backlight Compensation (BLC)	Yes	Yes	Yes	BLC / HLC	BLC / HLC	Yes	Yes	Yes
Dig Noise Reduction (DNR)	3DNR	3DNR	3DNR	Yes	Yes	3DNR	3DNR	3DNR
Focus Adjustment	-	-	Manual	Manual	Manual	Manual / Fine Focus	Manual / Fine Focus	Manual / Fine Focus
Video S/N Ratio	52 dB (AGC off)	52 dB (AGC off)	52 dB (AGC off)	50 dB (AGC off)	50 dB (AGC off)	52 dB (AGC off)	52 dB (AGC off)	52 dB (AGC off)
Lens Control / Mount	DC iris / CS	DC iris / CS	DC iris	DC iris	DC iris	DC iris	DC iris	DC iris
Video Output Connection	BNC	BNC	BNC	BNC	BNC	BNC, RCA (monitor)	BNC, RCA (monitor)	BNC, RCA (monitor)
Display Mode	LCD1/LCD2/CRT	LCD1/LCD2/CRT	LCD1/LCD2/CRT	-	-	LCD1/LCD2/CRT	LCD1/LCD2/CRT	LCD1/LCD2/CRT
Weather Proof (IP66)	-	-	-	Yes	-	-	Yes	Yes
Vandal Resistant / Proof	-	-	-	Vandal Proof	-	Vandal Resistant	Vandal Proof	Vandal Proof
Privacy Mask	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	-	Yes	Yes	Yes	Yes	-	-	Yes
Power	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC	24VAC, 12VDC
Power Consumption	2.3 W	2.5 W	4.8 W (IR LED ON)	7.0 W	5.0 W	2.3 W	2.3 W	2.5 W
IR LED / Distance	-	-	12 LED / 65 ft	28 LEDs / 65 ft	14 LEDs / 50 ft	-	-	12 LEDs / 65 ft
Warranty	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year
MSRP	\$240.00	\$299.00	\$460.00	\$350.00	\$280.00	\$289.00	\$415.00	\$575.00

MULTI-CODEC NETWORK VIDEO RECORDERS



VR-X1600U



VR-X3200U

IP Camera Channel	16 (Up to 32 by add'l channel option)	32 (Up to 64 by add'l channel option)
Video Compression	H.264 / JPEG / MPEG-4	
Audio Compression	μ-law (64kbps) A/D 8-bit, Fs 8kHz	
Analog Video Input	None	
Frame Rate (720P, H.264)	Recording/Display/Distribution: 100/100/100, 240/0/100 (without live viewing)	
Max Recording Frame Rate	2800 ips (w/out local view)	
Multi Codec Recording	Yes	
Operating System	Milestone XProtect Enterprise Embedded	
CPU and Memory	Intel G6950 Dual-Core (2.8GHz), RAM: 4 GB	Intel Core i3 (3GHz), RAM: 4 GB
HDD Capacity	1 TB	
Additional HDD	3 TB (Optional bracket VRHDDOU is required)	
NAS	Yes	
RAID	1 / 5 / 10, 6 (optional)	
Master Slave Configuration	Yes	
Alarm Inputs	8	
Monitor Outputs	AGP or PCI-Express	
SNMP Client	Ver 1 and 2c	
Search Function	Time / Date search / Alarm search / Motion detection	
Remote PC Operation	Live viewing / Playback of recorder images, Camera control / Data export	
I/O Terminals	LAN1, LAN2, USB 2.0 (x6), RGB, DVI, eSATA, Audio mini jack (x2), Alarm (x8)	
Power	120 VAC - 240 VAC	
Power Consumption	Max. 1.2 A (120 VAC)	
Operating Temperature	Operating: 41 °F to 104 °F (5 °C to 40 °C)	
Warranty	3 Year	
MSRP	\$5,900.00	\$8,900.00

JVC

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